

Encourage

Computational Technology Center

Generic QPREP Script

```
#!/bin/csh
#PSTQ queue=<queue name>
#PSTQ nodes=<number of cpus>
#PSTQ wall_time=<hhh:mm>
#PSTQ job_name=<job name>
#PSTQ stdout=<output filename>
#PSTQ stderr=<error filename>
#PSTQ account=<16 character account number>
#PSTQ END_OF_PREAMBLE

# Change to WORK_DIR directory and copy input file.
cd $WORK_DIR
archive get -C <directory in $ARC> <filename>

# Run the analysis.
<My Program>

# Archive output and remove
tar cvf ../<output filename>.tar .
archive put -C <directory in $ARC> ../<output
filename>.tar
# Exit the script.
exit
```

To submit your script

```
qprep <qprep script name>
```

URLs for QPREP and ASC MSRC Queues

PStoolkit Homepage
<http://www.pstoolkit.org>

QPREP Documentation can be found on the
above site from the Documentation link
on the left side of page.

ASC Queuing and Scheduling information
can be found at

http://www.asc.hpc.mil/overall/policy_procedure

Inform

Outreach

Getting the Word Out

In the case of the ASC MSRC, Outreach means showcasing the Center's benefits, capabilities, and possibilities of employing high performance computing (HPC) and Scientific Visualization (SciVis) to our users.

Whether it is finding and developing new applications, techniques, and users or advertising a new capability to existing users; the dynamic worlds of HPC and SciVis are always striving to identify new ways to support DoD researchers and the public-at-large.

For more information about the ASC MSRC, please contact the Outreach Team at
asc.hp.outreach@wpafb.af.mil

Visit <http://www.asc.hpc.mil> for all ASC MSRC User Guides, the latest version of this document, and much more!

The ASC MSRC CATC personnel are committed to providing world class customer service to our users,
24 hours a day,
7 days a week.

Contact us:
Toll Free: 1-888-677-2272
Commercial: 937-255-0194
DSN: 785-0194
Fax: 937-656-9538
msrchelp@asc.hpc.mil

0605-05
ASC 04-1652



Customer
Assistance
and
Technology
Center
(CATC)

User Tips

The CATC Mission

Enhance DoD research and discovery in serving the warfighter, by enabling and promoting high performance computing and scientific visualization.

2435 Fifth Street
Bldg 676
Wright-Patterson AFB OH
45433-7802

Enable

Accounts Center

Using the Information Environment (IE)

Phase 1

-To be performed by user-

To obtain an ASC MSRC-homed user account enter personal profile information into IE form. Gray indicates a required field.

1. Set browser to:
<https://ieapp.erdhpc.mil/info/kerberosValidate.jsp>
(Internet Explorer recommended)
2. Select "Request Login Account".
3. Select "Apply for an IE Account".
4. Enter Personal Information.
5. Obtain "ORG" from your S/AAA (required prior to submission).
6. Select **ASC.HPC.MIL** (upper case) for your *realm*.
7. Non-gov users check **No** where "Gov. employee?" is requested.
8. DO NOT enter NAC information. Accounts Center staff will complete these fields.
9. Select **Submit Application**.
10. Non-gov users will be required to identify their government POC. IE will guide you through the process of adding a new POC.
11. Logout.

To modify an existing account:

1. Set browser to:
<https://ieapp.erdhpc.mil/info/kerberosValidate.jsp>
(Internet Explorer recommended) and proceed with Logon.
2. The Kerberos principal is your username (lower case) followed by **@ASC.HPC.MIL** (upper case).
3. Tab through the logon screen updating the

fields as necessary.

4. List the changes made in the **Comment Field**.
5. Save changes.
6. Logout.

An email will be sent confirming your IE account approval.

Phase 2

-To be performed by the Accounts Center-

You will receive an email from **hpc-accounts@asc.hpc.mil** when your access to the HPC systems has been activated.

Please contact **hpc-accounts@asc.hpc.mil** if you have questions.

Guide

User Services

Quick Tips

Q: What if I forgot my password?

A: Contact your S/AAA, who will then send an email to **msrchelp@asc.hpc.mil**. Your password will be reset to the default password you received when you first got your SecurID card.

Q: What if my password expires?

A: Passwords can be unexpired for a maximum of five days. Contact your S/AAA.

Q: "Incorrect Net Address" error message when I attempt to ktelnet the MSRC.

A: You may be behind a NAT firewall. Request a "No IP" ticket from the latest kerberos kit.

From Windows: krb5.exe under

File:Options select No Address.

From Unix/Linux: use the kinit -A option

Q: "Preauthentication Failed while getting initial credentials" error message.

A: Indicates an incorrect kerberos password or passcode.

Q: Where do I go to download the latest kerberos and ssh kits?

A: <http://kirby.hpcmp.hpc.mil>

Q: "Cannot contact KDC for requested realm" error message.

A: You may not have the necessary ports open on your local firewall. A list of required open ports can be found at

<http://www.asc.hpc.mil/customer/userdocs/kerberos/kerbfirewall.php>

Q: "Time Skew Too Great" error message.

A: Check your system clock. Kerberos does not allow a difference of more than five minutes from the KDC.

Q: For a new account, when will my SecurID card be activated?

A: You will receive an email notification from **hpc-accounts@asc.hpc.mil** when your account is activated.

Notes

My S/AAA is:

Email:

Phone Number: